

**Monthly Divisional Report**  
*New Jersey State Highway Department*  
February 1959

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## MONTHLY DIVISIONAL REPORT

Month of February

19 59

Division: Accounting &amp; Administrative Services

Bureau: Office of the Comptroller  
Bureau of Auditing & Accounting

The Comptroller attended the following meetings:

With Mr. Boutiller, of Peat, Marwick, Mitchell & Co. relative to the practicability of recommendations changing operating procedures in our Cost System, Maintenance Operations, etc. Discussions are being held within the Bureau of Auditing & Accounting regarding the manner of instituting approved methods.

With Commissioner Palmer anent recommendations contained in the Governor's Budget Message and possible application to Joint Appropriations Committee for consideration of additional funds.

With Automotive Safety Foundation re purpose, tentative proposal and explanation of Functional Grouping Chart.

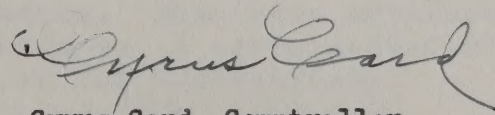
With Messrs. Schuyler and Andrews re availability of funds for Maintenance Operations.

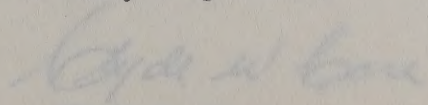
Directed representatives of the Division to attend meeting held at the State House on Purchasing.

Statements for inclusion in the December Expenditures & Commitments Report have been completed and are in the process of being typed.

In the Bureau of Auditing & Accounting, warrants were drawn for 36 County and Municipal Aid payments amounting to \$1,291,676.97. 1959 Construction accounts were set up for various Municipalities.

Approximately 2700 invoices were passed for payment for materials, supplies, estimates to contractors, right of way invoices and utility bills, together with regular bi-weekly payroll.

  
Cyrus Card, Comptroller

  
Clyde W. Case  
Head Paymaster

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## MONTHLY DIVISIONAL REPORT

Month of February

1932

Division: Accounting & Administrative Services  
 Bureau: Office of the Comptroller  
 Bureau of Auditing & Accounting

The Comptroller attended the following meetings:

With Mr. Bowdler, of Post, Harwick, Mitchell & Co. relative to the practicality of recommendations changing operating procedures in our Coast System, Maintenance Operations, etc. Discussions are being held within the Bureau of Auditing & Accounting regarding the manner of instituting approved methods.

With Commissioner Palmer, agent recommendations contained in the Governor's Budget Message and possible application to Joint Appropriations Committee for consideration of additional funds.

With Automotive Safety Foundation re purpose, tentative proposal and explanation of Functional Grouping Chart.

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Gyris Card, Comptroller



Reports -  
Monthly(3) 115  
1959

## MONTHLY DIVISIONAL REPORT

Month of

February

Division: Accounting &amp; Administrative Services

Bureau: Hourly Payroll Bureau

Preparation of bi-weekly Hourly Basis Payrolls, checking and approval of same. Supervise the drawing of individual checks each bi-weekly pay or a total of 2937 checks for the month. Total of payrolls for the month - \$511,760.58. Signed as Head Paymaster the above mentioned checks.

Prepared Accounts Receivable billings, deposit of check and cash for the month, approval of releases in conjunction with Accounts Receivable.

Spend three (3) days in the field conferring with Highway Department employees regarding their retirement from State Service. A total of six (6) retirements completed.

Prepared quarterly Withholding Tax Report and remitted to the District Director of Internal Revenue check in the amount of \$137,625.70. Also prepared and distributed 1640 W-2 Forms and submitted annual report of Withholding Tax deductions.

Correspondence regarding Hourly Basis personnel.

Supervised the personnel of the Hourly Payroll Bureau in regular routine work of maintaining necessary information required.

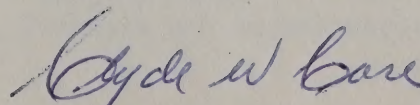
WORK WAS COMPLETED THIS MONTH ON THE RECORDS INVENTORY AND APPRAISAL FORMS FOR THE BUREAU OF MAINTENANCE. TYPING AND REPRODUCTION OF THE ADDENDUM TO PROCEDURE AD-24, GIVING ALL RECORD RETENTION SCHEDULES SO FAR APPROVED BY THE STATE RECORDS COMMITTEE, IS ABOUT 50% COMPLETE.

DUPLICATING SECTION

ALL PHASES OF WORK PROGRESSING SATISFACTORILY. THE VARIOUS DUPLICATING MACHINES ARE WORKING FULL-TIME. SEVERAL NEW FORMS HAVE BEEN PROCESSED AND PLACED IN STOCK.

MAILING SECTION

INCOMING LETTERS AND PACKAGES HAVE BEEN ABOUT NORMAL FOR THE MONTH OF FEBRUARY, BUT MOST UNUSUAL WAS THE LACK OF SNOW DURING THE MONTH. DUE TO THIS FACT WE DIDN'T HAVE THE HUGE VOLUME OF INCOMING MAIL ON SNOW REMOVAL THAT IS USUALLY HANDLED. MORE NEWS RELEASES WERE SENT OUT BY THE BUREAU OF PUBLIC RELATIONS. A LARGE AMOUNT OF PLANS AND SPECIFICATIONS HAVE BEEN MAILED TO THE CONTRACTORS.



Clyde W. Case  
Head Paymaster

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## MONTHLY DIVISIONAL REPORT

Division Accounting & Administrative Services  
Bureau: Hourly Payroll Bureau

Month of February 1952

Preparation of bi-weekly Hourly Basis Payrolls, checking and approval of same. Supervise the drawing of individual checks each bi-weekly pay or a total of 297 checks for the month. Total of payrolls for the month - \$211,760.58. Signed as Head Paymaster the above mentioned checks.

Prepared Accounts Receivable billings, deposit of check and cash for the month, approval of releases in conjunction with Accounts Receivable.

Spent three (3) days in the field conferring with Highway Department employees regarding their retirement from State Service. A total of six (6) retirements completed.

Prepared quarterly Withholding Tax Report and remitted to the District Director of Internal Revenue check in the amount of \$137,625.70. Also prepared and distributed 1040 W-2 Forms and submitted annual report of Withholding Tax deductions.

Correspondence regarding Hourly Basis personnel.

Supervised the personnel of the Hourly Payroll Bureau in regular routine work of maintaining necessary information required.

Clyde W. Case  
Head Paymaster



## MONTHLY DIVISIONAL REPORT

Month of FEBRUARY 19 59

Division: ACCOUNTING &amp; ADMINISTRATIVE SERVICES

Bureau: OFFICE SERVICES

OFFICE SERVICES

SURVEYED METUCHEN OFFICE WITH MR. HERMAN KRAMER REGARDING INSTALLATION OF TELEPHONES WITH INTER-COMMUNICATION SYSTEMS. MADE ARRANGEMENTS FOR THE MOVING OF FURNITURE AND OFFICE MACHINES FROM THE TRENTON OFFICE TO THE METUCHEN OFFICE. DURING THIS SURVEY FOUND THREE DRAFTING TABLES, THREE ELECTRIC FANS, ONE LARGE EXHAUST FAN, AND ONE HOT-WATER HEATER WHICH WERE BROUGHT TO THE TRENTON OFFICE AND PLACED IN SURPLUS.

A COMPLETE REVIEW WAS MADE OF THE TELEPHONE SERVICES REQUIRED IN THE LABORATORY BUILDING. IT IS NOW COSTING \$143.50 MONTHLY RECURRING CHARGE FOR THE PRESENT SYSTEM IN THE LABORATORY BUILDING, BUT AFTER REVIEWING EACH INDIVIDUAL REQUIREMENT AND CUTTING OUT UN-ESSENTIAL INTERCOMMUNICATIONS SYSTEMS, I AM PLEASED TO REPORT THAT THE NEW SERVICES TO BE INSTALLED WILL BE REDUCED TO \$91.20 MONTHLY RECURRING CHARGE. THIS IS A SAVINGS OF \$52.30 MONTHLY. ARRANGEMENTS HAVE BEEN MADE FOR THIS INSTALLATION AND WORK WILL BEGIN ON OR ABOUT APRIL 6TH.

FILE & RECORDS

WORK WAS COMPLETED THIS MONTH ON THE RECORDS INVENTORY AND APPRAISAL FORMS FOR THE BUREAU OF MAINTENANCE. TYPING AND PREPARATION OF THE ADDENDUM TO PROCEDURE AD-24 GIVING ALL RECORD RETENTION SCHEDULES SO FAR APPROVED BY THE STATE RECORDS COMMITTEE IS ABOUT 75% COMPLETE.

DUPLICATING SECTION

ALL PHASES OF WORK PROGRESSING SATISFACTORILY. THE VARIOUS DUPLICATING MACHINES ARE WORKING FULL-TIME. SEVERAL NEW FORMS HAVE BEEN PROCESSED AND PLACED IN STOCK.

MAILING SECTION

INCOMING LETTERS AND PACKAGES HAVE BEEN ABOUT NORMAL FOR THE MONTH OF FEBRUARY, BUT MOST UNUSUAL WAS THE LACK OF SNOW DURING THE MONTH; DUE TO THIS FACT WE DIDN'T HAVE THE HUGE VOLUME OF INCOMING MAIL ON SNOW REMOVAL THAT IS USUALLY HANDLED. MORE NEWS RELEASES WERE SENT OUT BY THE BUREAU OF PUBLIC RELATIONS. A LARGE AMOUNT OF PLANS AND SPECIFICATIONS HAVE BEEN MAILED TO THE CONTRACTORS.







## MONTHLY DIVISIONAL REPORT

Month of FEBRUARY, 19 59

Division: Administration

Bureau: Purchase and Stores

The activities in the Purchase and Stores Bureau during the month of February, 1959, were of a routine nature.

Check for \$776.86 forwarded to Cyrus Card, Comptroller, as a result of sale of 217 used Tires at \$3.58-ea. to Samuel Z. Kravitz & Sons, Trenton, N.J.

Checks totaling \$121.50 to Cyrus Card as a result of pickup of 2700 empty 5-gallon Paint Cans at \$.045-each by Harry K. Weisser.

Check for \$258.00 to Cyrus Card representing payment for the return of 43 empty drums to the Esso Standard Oil Company.

Check for \$45.00 to Cyrus Card covering reimbursement for rentals of four Royal typewriters from the Prior Typewriter Company for various periods.

Approximately 6 tons of IBM tabulating machine cards were disposed of.

Personnel papers were processed for Louis Lavine as Stock Clerk effective March 9, 1959.

Personnel papers were processed for John Evans as Clerk effective March 9, 1959.

Resignation papers for Joan Van Norman, Clerk-Stenographer, effective February 27, 1959, were processed.

Approval received from the State Purchasing Department for additional funds for newspapers in accordance with the desires of the Bureau of Public Information.

Interviewed 44 salesmen representing various concerns during the month and attended 14 meetings re departmental matter and purchases.

*Clifford Wear*

Clifford Wear

Supv., Purchase and Stores Bureau







**MONTHLY DIVISIONAL REPORT**

Month of February 19 59.

Division: Accounting and Administrative Services.

Bureau: Office of the Secretary.

CONTRACTS:-

Execution of two (2) contracts completed. Four (4) projects advertised for bids. 108 sets of plans and supplementary specifications distributed.

SCHEDULE OF APPROVALS:

Three (3) Schedules prepared listing a total of 229 items, which by a combination of items where possible represents action on 267 individual items. Official copies of Schedules signed by the Commissioner, placed in the Minute Book and indexed. Schedules distributed in accordance with regulations and necessary letters concerning official actions written.


GENERAL:

- 28 Standard Specifications issued
- 4 Deposits made for transmittal of income
- 9 Traffic Regulations certified to the Director, Divn. of Motor Vehicles
- 65 Property Agreements attested and processed
- 12 Agreements attested and processed
- 95 Municipal Aid contracts, applications, agreements, transfers, etc., certified
- 2 Lease Agreements executed
- 8 Releases executed
- 1 Snow Removal Equipment Rental Agreements executed
- 1 Utility Order attested and certified
- 6 Highway Lighting Reimbursement Agreements executed
- 3 Deeds of conveyance acknowledged

Necessary payroll (hourly) checks signed

3200 maps distributed (approximately)

General correspondence, filing and answering telephone inquiries.



Kenneth D. Rice,  
Secretary

• *Polychaeta* and *Amphipoda* are found in the



## MONTHLY DIVISIONAL REPORT

Month of FEBRUARY 19 59

Division: BRIDGE  
 Bureau: BRIDGES under CONSTRUCTION

% COMPLETIONRt. US 1:

Sec. 2 - Culvert, Lawrence Twp., Mercer Co. 1  
 " 3 - Two bridges and culvert, Plainsboro, Mercer Co. 11

Rt. S-3:

Sec. 3D - Brs. at Broad St. & Bloomfield Ave., Clifton, Passaic Co. 89

Rt. 4:

Sec. 4J - U.P. at Spring Valley Road, Paramus, Bergen Co. 12

Rt. 17:

Sec. 7C - Midland Ave. O.P., Paramus, Bergen Co. 97

Rt. 18:

Sec. 4 - Englishtown Road U.P., Madison Twp., Middlesex Co. 30

Rt. 21:

Sec. 1B - Six structures, Belleville & Nutley, Essex Co. 76

Rt. 26:

Sec. 4D-5C - Two culverts, So. Brunswick Twp., Middlesex Co. 69

Rt. 29:

Sec. 13E - Two pedestrian overpasses, Trenton, Mercer Co. 90

Rt. 72:

Sec. 5E - Manahawkin Bay Bridge - Superstructure, Ocean Co. 99  
 " 5F - " " " - Three trestles, " " 93

Rt. 78:

Sec. 2E - Five structures, Bloomsbury, Beth. & Union Twps., Hunterdon Co. 3  
 " 2F - C.R.R. & L.V.R.R. Overpasses, Bloomsbury & Beth. Twps., " " 4

Rt. 101:

Sec. 2A - Seven structures, Rockaway, Morris Co. 98  
 " 2C - Eight structures, Wharton, Morris Co. 76  
 " 2D - D.L. & W.R.R., Roxbury Twp., Morris Co. 49

Rt. 102:

Sec. 2B - Six bridges, Greenwich Twp., Warren & Hunterdon Cos. 92  
 " 2D - Six bridges, Greenwich & Franklin Twps., Warren & Hunter. Cos. 93

Rt. 104:

Sec. 1A-2A - E & W Viaducts, Raritan River, Middle. & Somerset Cos. 28

Rt. 108:

Sec. 1B - Plant St. U.P. & Br. over Salem Canal, Salem Co. 43  
 " 2B - Four bridges & culvert, Haddon Heights, Salem Co. 85  
 " 2C - U.P. at Penn-Reading SS Lines, Bellmawr, Camden Co.





	<u>% COMPLETION</u>
<u>Rt. 202:</u>	
Sec. 2 - Two structures, Branchburg Twp., Somerset Co.	25
" 3 - Br. over No.Br. of Raritan Riv., Branchburg, Somerset Co.	24
<u>Rt. 206:</u>	
Sec. 10A - Bedens Brook Bridge, Montgomery Twp., Somerset Co.	99
<u>Rt. 208:</u>	
Sec. 2 - Ewing Ave. Overpass, Franklin Lakes, Bergen Co.	6
" 3 - Four structures, Hawthorne & Wyckoff, Pass. & Bergen Cos.	13
<u>Rt. 322:</u>	
Sec. 6C - Babcock Cr. Br. & Culvert, Hamilton Twp., Atlantic Co.	98
Aqueduct Bridge across Pequannock Riv., Lincoln Park, Morris Co.	37
Scudders Falls Bridge across Delaware River - Substructure	54
" " " " " " - Superstructure -	
Awaiting fabrication of Struct. Steel -	0
Washington Ave. Br. over Green Brook, Green Brook Twp., Somerset Co.	41
Springfield Ave. Br. over Salt Creek, New Providence, Union Co.	53





## MONTHLY DIVISIONAL REPORT

Month of February 1959

Division: BRIDGE

Bureau: Design Section

Sheet #1

Rt. 1&9 Truck:

Sec. Ramp at Raymond Boulevard:  
Bids to be received 3/12/59.

Rt. 4: Pedestrian Overpass at Forest Ave.:  
Plans being prepared.

Rt. 4 Parkway:

Sec. Chestnut Avenue Ramp:  
Plans being prepared.

U.S. 9: Cape May Canal Bridge:  
Plans being prepared.

Rt. 13: Lovelandtown Bridge (Sidewalks):  
Plans being prepared.

Rt. 15: Bakers Bridge over Green Pond Brook:  
Plans being prepared.

Rt. 17: Century Road Overpass:  
Plans being prepared.

Rt. 18:  
Sec. 2 Interchange - Two Structures: Bids to be received 3/10/59.  
Sec. 5 Overpass at Rt. US 9: Reviewing plans prepared by Edwards & Kelcey.

Rt. 21: Ten Structures:  
Sec. 10 Reviewing plans prepared by Edwards & Kelcey.

US 22: Vaux Hall Road (Steps); Pedestrian O.P. at Fairway Ave.;  
and Pedestrian O.P. at Mountainside School:  
Plans being prepared.

Rt. 35: Matawan Creek Bridge (Grid Floor-Bascule Span):  
Sec. Plans being prepared.

Rt. 38: Widening 6 Structures:  
Sec. 2 Reviewing plans prepared by John G. Reutter, Consulting Engr.

Rt. 45: Woodbury Creek Bridge (Floor):  
Sec. 30 Plans being prepared.

Rt. 52: Ocean City-Somers Point (Grid Floor-Ship Channel Bridge & Radio Mast):  
Plans being prepared.

Rt. 71:  
Sec. 10 Culvert at Whale Pond Brook: Plans being prepared.  
Sec. 10B Culverts at Poplar Brook & Ocean Port Creek: Plans being prepared.





Sheet #2

- Rt. 78:     Six Bridges:  
Sec. 2G     Reviewing plans by Parsons, Brinckerhoff, Hall & MacDonald.
- Rt. 80:  
Sec. 2     Pedestrian Bridge over Ramp K, Denville: Plans being prepared.  
Sec. 2E     Ten Bridges: Plans prepared by Louis Berger & Associates.  
Sec. 4     Bergen-Passaic Expressway: Reviewing plans by Fay, Spofford & Thorndike.  
Sec. 5     Bergen-Passaic Expressway: Rev. plans by Parsons, Brinckerhoff, Hall & MacDonald.
- Rt. 129:     Seven Structures - Delaware River to Scotch Road:  
Reviewing plans prepared by Michael Baker, Jr., Inc.
- Rt. 168:     Culvert at Station 112+50 - Black Horse Pike:  
Sec. 1     Plans being prepared.
- Rt. 169:     Point Breeze to Constable Hook - Bridge over RR, Center St. Ramp,  
Navy Footbridge & Rt. 169 over RR:  
Reviewing plans prepared by E. Lionel Pavlo.
- Rt. 202:     Bridges at So. Branch Raritan River, CRR of NJ, LVRR,  
Samuels Brook, Pleasant Run and Holland Brook:  
Plans being prepared.
- Rt. 208:  
Sec.     Pedestrian O.P. at Ethel Ave.: Plans being prepared.  
Sec.     Bridges at Grandview Ave., Cedar Hill Ave., Russell Ave.,  
           Summit Ave. & NYS&WRR: Plans being prepared.  
Sec. 4     Six Structures: Reviewing plans prepared by Goodkind & O'Dea.
- Rt. 287:  
Sec.     23 Structures - Rt. 27 to Stelton Road:  
Reviewing plans prepared by Madigan-Hyland.  
Sec.     14 Structures - East of Stelton Road:  
Reviewing plans prepared by Madigan-Hyland.
- Rt. 295:  
Sec. 1C     8 Bridges & Culvert, Camden-Cloucester Co.: Bids to be rec'd 3/17/59.  
Sec. 1D     4 Bridges: Plans being prepared.  
Sec. 2E     7 Structures: Rev. plans prepared by Sherman, Taylor & Sleeper.  
Sec. 2F     6 Structures: Rev. plans prepared by Sherman, Taylor & Sleeper.
- US 322:     Widening Six Structures:  
Plans being prepared.





## MONTHLY DIVISIONAL REPORT

Month of February, 19 59

Division: Maintenance and Operations

Bureau: Electrical Operations

FEDERAL AID INTERSTATE ROUTES

Specifications completed, FAI Rt.101, Sec. 2A (I-101-2(1)), Netcong to Denville. Conduit, wiring and lighting layouts furnished Bridge Division, 6 bridges, FAI Rt.80. Preliminary road plans reviewed, conduit and junction box layouts, FAI Rts. 80, Sec.4; 295, Sec. 1D and 287, Sec. 1B.

MAINTENANCE AND OPERATIONS

33 bridges in full time operation, 6 on 24 hr. notice basis. Routine mechanical and electrical maintenance, all movable bridges, 885 traffic signals, 5 lane control systems and 887 illuminated signs. Replacement of highway lighting, traffic signal, sign equipment damaged and knocked down by traffic. Group relamping signals, 6000 hr. lamps. Painting signals along Rt. 28, Westfield. Changed signs from series to multiple, Rt. 3 Lincoln Tunnel Approach. Replaced defective lighting cable along Route US1&9, Newark and Elizabeth. Completed numbering of signs, North Jersey. Emergency repairs, gearing and shafts, Rt. 35 Raritan River Bridge, in progress.

CONSTRUCTION

8 traffic signals under construction. Revisions completed, 4 existing signals. Changing series to multiple lighting, Rt. US1&9 Elizabeth Viaduct. Building and installing new traffic light control, indication lights, Rt. 47 Grassy Sound Bridge.

DESIGN AND INSPECTION

7 signal approvals from Planning & Traffic. 5 new locations estimated. Specifications completed, Rt.US1, Sections 1A to 7 (signals and lighting, jug handles). Sample fluorescent lighting units installed, Rt. US1 & Bakers Basin Road. Preliminary road plans reviewed, conduit and junction box layouts, 2 locations.

NEGOTIATIONS

12 traffic signals under negotiation, 5 completed. 10 field inspections, with contacts with local officials.

CLAIMS

Payments of claims in the amount of \$8,610.58 received, 20 claims set up in the amount of \$7,158.95, 17 result of property damage accidents. 17 work orders set up resulting in claims, totaling \$6,124, 14 result of property damage accidents.

MISCELLANEOUS

Maintenance of mobile radio communicating system, 214 mobile units and 8 base stations. Completed electric service and building wiring, 6 maintenance yards. Installing service and wiring, 4 other maintenance yards and John's Diner. Installed electric facilities to operate electric saw and jointer, Bldg. #16, Fernwood. Completed electrical installation, New Guard House, Fernwood.





## MONTHLY DIVISIONAL REPORT

Month of February, 19 59

Division: Maintenance and Operations

Bureau: Maintenance

BRIDGE SECTION

Completed deck repair work at Hillery Street Bridge on Route 62 at East Paterson, and bulkhead repairs and painting of timber rails and bridge houses at Cape May Canal Bridge on Route 9. Contractor engaged to repair arch at Peckmans Brook on Route 23 which collapsed on February 18. Advertised for bids on repainting a portion of Pulaski Skyway.

SIGNS AND LINES SECTION

Erected new type Green Directionary signs on Route 444, Toms River By-Pass, and on Route 130, between Thorofare and Bridgeport, and "Speeders Lose Licenses" signs at all Motor Vehicle Inspection Stations. Constructed and erected 12 new Interstate Construction signs on Interstate Highways. Painted traffic lines on newly constructed sections on Route 73 at Palmyra; Route 72 at Ship Bottom; Route 4 at Spring Valley Control, Paramus, and Route 206 at Beden Brook Bridge.

MATERIALS SECTION

Difficulty with sodium chloride deliveries related in last month's report was eliminated, and all delivery requirements have been met. Started work on compiling maintenance estimates for 1959-1960 fiscal year.

MAINTENANCE BUILDINGS AND STRUCTURES

Utilities for Sand Hills maintenance building are under construction; conversion work for district field office at Metuchen is nearing completion; drawings prepared for housing emergency generators for Highway Office Building; investigating air replacement system for paint spraying operations in Sign Shop at Fernwood; redesigned roof and wall supports and revising design of heating system at Avenel Garage, and making survey of underground and dangerous conditions at new Flemington maintenance yard.

CONSTRUCTION SECTION

Completed miscellaneous construction projects totaling approximately \$600.00.

LANDSCAPE SECTION

Removed 76 large and 215 small trees and trimmed numerous others throughout State. Presented report with recommendations on proposed "Weed Control Program" for coming season.

PERMITS SECTION

Total of 205 applications processed, including 123 for road openings, 34 for erection of poles, 26 for entrances, and 22 for miscellaneous projects.

Contractor engaged to repair arch at Beckmans Brook bridge on Route 9. Contractor engaged to repair arch at Beckmans Brook bridge on Route 9. Contractor engaged to repair arch at Beckmans Brook bridge on Route 9.

Green directional signs on Route 444, Town River By-Pass, and between Thorburn and Bridgeport, and "Speeders Love License" signs. Inspection Stations. Connected and erected 12 new inspection stations on Interstate Highways. Painted traffic lines on newly sections on Route 73 at Palmyra; Route 72 at Ship Bottom; Route 1 at Control, Laramie, and Route 205 at Baden Brook Bridge.

Delivery with sodium chloride deliveries related in last month's report was estimated, and all delivery requirements have been met. Started work on sample- estimates for 1959-1960 fiscal year.

Field office at Hatcher is nearing completion; drainage pres- operations in sign shop at Laramie; survey of underground and dangerous conditions at new

Recommendations on proposed "Wood Control Program" for con-

including 123 for road openings, 34 for miscellaneous projects, and 28 for miscellaneous projects.



## MONTHLY DIVISIONAL REPORT

Month of February

19 59

Division: Maintenance &amp; Operation

Bureau: of Plant and Equipment

NEW EQUIPMENT

There were no deliveries of new equipment during the month of February.

SNOW PLOW SECTION

As part of the conversion program, 30 salt spreading attachments were installed on safety gates. The following equipment was repaired: 30 spreader tail gates, 30 safety spreader seats, 10 moldboards, 41 lift frames, 12 semi-circles; 7 Temple gates were repaired and painted.

GENERAL REPAIR SHOP

A total of 38 cars and trucks, also other equipment, have been repaired and assembled, together with other major operations completed in the Car and Truck Shops. A total of 49 tractors and 15 sets of Ranger reels were repaired and serviced in the Mower Shop. Taillights, headlights and safety lights were repaired and installed on 39 pieces of equipment. A total of 113 jobs were completed in the Carburetor and Ignition Shop.

The Diesel Shop completed 40 service and major jobs in the shop and on the road. The Machine Shop completed 259 minor and major jobs during the month. The Heavy Equipment, Carpenter and Inspection Shops were constantly active with regular assignments in the shops and on the road.

BUILDING MAINTENANCE SECTION

The following work has been done during the month by this section: Replaced all rotten boards on roof of Bldg. No. 1 and patched up all bad spots. Finished painting all offices and men's room at Branchville Garage and also painted floors. Installed new toilet at Vineland Garage.

The painters are almost finished painting the offices and hallways at Newark Office Building.

Checked and serviced fire extinguishers at Clinton, Branchville, Newark, Avenel, New Brunswick, Merchantville, Vineland, Hammonton, Toms River, Netcong and Dover Garages. Painted inside of Bldg. No. 13 (old guard house) and installed heavy wire screening over the windows for protection. Serviced and checked heating and plumbing system at the dwelling acquired at Bloomsbury that is to be used as an office for the Bridge Division.





## MONTHLY DIVISIONAL REPORT

Month of February

1939

Division: PERSONNEL

Bureau:

RECRUITMENT AND TRAINING

College recruitment for graduate Civil Engineers has continued with visits to Rutgers University where three prospective graduates were interviewed, and at the University of Pennsylvania, where six students were interviewed. We will not know for some time what the results will be.

SAFETY, PLANT SECURITY AND DISPENSARY

Safety - Plans are being made to establish first aid training courses in the various sections of the State for all truck drivers, foremen, and assistant foremen, as well as other crew chiefs, and group leaders, both in the field, in the shops, and in the offices.

Regarding inspections on contractors' projects, the Safety Office has placed extra delineators, as well as signs, to properly protect the motor-ing public on projects where it has been difficult to obtain the cooperation of the contractors.

Plant Security - We wish to report that we now have a full complement of guards and that the plant security is being carried out very effectively.

Dispensary - The functions of the dispensary are being carried on in a normal manner. There have been no special programs during the past month. We are at this time, however, preparing for a mass chest x-ray of all employees within the Fernwood area. This program is being scheduled for the month of May, and it is mentioned in this report because of the need for long-range planning to obtain the services.





## MONTHLY DIVISIONAL REPORT

Month of February

19 59

Division: RIGHT OF WAY ACQUISITION &amp; TITLES

Bureau: Appraisals &amp; Negotiations

The Division of Roads transmitted agreement forms covering 71 parcels, of which 29 were revisions.

GENERAL PROPERTY PARCEL MAPS

2 General Property Parcel Maps were approved as follows:

Route FAI 80-4-(4), From Glover Avenue To Passaic River.  
Negotiations authorized for properties needed for the construction of the bridge over the Passaic River. Set up \$4,000,000.00.

Route FAI 104-2-(2), From Route U.S. 22 To Easton Avenue.  
Sheets 1, 1A, 1B, 2 and 3 reapproved. Negotiations authorized. Set up \$339,000.00.

APPRAISALS, NEGOTIATIONS, CONDEMNATIONS, ETC.

A total of 239 items were presented to the Commissioner for action including:

90 Agreements

24 Condemnations

1 Condemnation Award

1 Appeal Authorized

15 Garages sold at Public Auction approved

85 Appraisal orders approved

1 Authorization to pay Boro of Kenilworth \$1250.

1 Accept deed and pay consideration

3 Deeds of conveyance to New Jersey Highway Authority approved

1 Bid approved for toilet facilities, etc. at Bogota field office

6 Invoices from New Jersey Power & Light Company approved

8 Buildings sold at Public Auction approved

3 Buildings sold at Public Auction, bids rejected.

APPRAISAL ORDERS ISSUED

33 orders were placed with outside fee appraisers for a total of \$31,685.00.



H. N. Kramer

MB:ap





## MONTHLY DIVISIONAL REPORT

Month of February 1959

Division: Right of Way Acquisitions &amp; Titles

Bureau: Legal

## I. STATISTICAL

Papers drawn in February

Condemnation

Complaints - 6  
Orders to Show Cause - 6  
Orders of Continuance - 4  
Orders Extending Time - 9  
Orders for Judgment and Appointment of Commissioners - 7  
Orders Granting Compensation to Commissioners - 2  
Orders of Dismissal - 2  
Reports of Commissioners - 2  
Orders on Appeal - 3

Number of Deeds Approved - 61  
Number of Titles Approved - 52

Court Appearances - 28

## II. GENERAL ACTIVITIES

Conferences with the Attorney General's office.  
Preparation for court appearances. Various discussions with reference to entry of property prior to the filing of condemnation Complaint; preparing legal briefs.

## III. INTERDEPARTMENTAL SERVICES

Conferences with department heads with reference to various problems; opinion memoranda for Commissioner Palmer, department heads and employees; approving, disapproving and re-writing various legal papers and documents; recommendations for condemnation or settlement; trial preparation; brief writing and similar services.

## IV. MISCELLANEOUS

Attending bidding; seeing that all necessary papers are prepared; dictating all court matters; numerous other matters which arise during the course of the month.





MONTHLY DIVISIONAL REPORT

Month of February

19 59

Division: Right of Way Acquisition & Titles

Bureau: Title

TITLE SEARCHING

81 searches and 86 continuation searches were completed throughout the State.

TITLE EXAMINING

63 title searches were examined and Reports of Title prepared.

LEGAL INSTRUMENTS

70 Legal instruments were prepared and forwarded to the owners or their attorneys for execution.

CERTIFICATE OF TITLE

52 Certificates of Title were prepared and submitted to the Department of Law for approval.

SETTLEMENTS

96 final settlements were made with property owners.

CONDEMNATIONS

21 Title Memorandums were prepared and forwarded to the Department of Law. 75 condemnation notices were served.

TITLE COMPANIES

16 deeds were delivered through the offices of Title Companies.

18 checks were delivered to Title Companies with instructions for settlement with the owners.



Edward H. Drake  
Title Officer





## MONTHLY DIVISIONAL REPORT

Month of February 19 59

Division: Roads, Design &amp; Construction

Bureau: Location &amp; Design

Federal Aid

Programming of NJ-I-80-4(7)60 Passaic River Bridge - Paterson and East Paterson; NJ-I-80S-8(9)31 Morgan Blvd. N. to the Ben. Franklin Bridge Plaza; NJ-I-287-1(7)1 West of Rt. US-22 to West Viaduct Crossing (Constr.); NJ-I-287-1(8)1 West of Rt. US-22 to West Viaduct Crossing (Utility Constr.); NJ-I-287-1(9)3 From weston Canal Rd. to and including River Rd. Interchange (Constr.); NJ-I-287-1(10)6 From River Rd. interchange to Stelton Rd. (Constr.); I-80-2(17)26 From Rt. 46 (Netcong) to Mt. Arlington Rd. (Bridges); F-9(3) Cape May Ship Canal; F-112(16) Old Bridge Circle to Pine Street; F-99(4) from a point west of Ringoes to the intersection of Rts. U.S. 202 & 69; F-198(7) from Wilburtha Rd. to Scudders Falls, Ewing Twp. (constr.); F-203 (3) Delaware River Bridge at Scudders Falls, east to Scotch Rd. (constr.); F-189(20) Goffle Rd. west to 1300' west of Grandview Ave. 1000' west of Helena Ave. west to Colonial Rd.; F-95(41) Trenton traffic circle north to Green St. traffic circle; F-203(4) Delaware River Bridge at Scudders falls east to Scotch Rd. (utilities); F-198(8) from Wilburtha Rd. north to Scudders Falls (utilities); U-102(14) Rt. 17 and Century Rd. intersection; U-124(4) Grade separation reconstruction under Lehigh Valley R.R. at Morris Ave., Union; U-185(15) Raymond Blvd. north to Rt. U.S. 1 southbound ramp connection; U-126(14) Highfield Lane north to South Parkway; U-102(10) Rt. 4 north to Midland Ave.

Office Engineer

Processing plans and specifications for Route 21 Freeway, Sec. 1C, from Highfield Lane to South Parkway; Route 80, Sec. 2E, from Route U.S. 46 to Landing Road; Route 45, Sec. 1, Woodbury Creek Bridge and approaches; Route 287, Secs. 1C & 2B, from Weston Canal Road to and including River Road Interchange; Route 80S, Sec. 1 and 295, Sec. 2D; Route 80 Sec. 5A, demolition; Route 80, Sec. 5B, demolition; Route 80, Sec. 5C, demolition; Route 80, Sec. 4B, demolition.

Interstate

101-1 Columbia to Netcong, alignment studies. Photogrammetry to commence; 101-2E & 2F, construction plans 100% complete, ready for advertising; 101-3 Denville to Wayne, alignment studies to be presented for review; 101-4 Paterson right-of-way, right-of-way plans 100% complete. Have ready for review and processing; 101-4 East Paterson demolition contract ready for advertising. Passaic River Bridge plans part of 1958-59 Program 95% complete; 101-5 Teaneck-Bogota area, plans for George Washington Bridge Interchange under preparation. Port Authority has agreed to general geometrics of interchange. Teaneck Road to Broad Avenue grading plans under preparation for early contract. Hackensack River Bridge contract under preparation; 102-5 Port Street Interchange at Newark Airport, additional conferences with Port Authority held. Three schemes are under study to determine final. No other work underway from Berkeley Heights to Newark Airport.





-2-

Interstate (con't.)

104-3 Boonton area, preparation of contract drawings underway. Boring contract under way; 105 Studies have been completed for the area from Newark to West Orange; Public Hearings were held at Netcong and Denville, both on I-80 (101); Route 78 Pluckemin to Berkeley Heights, new alignment study completed at Regional High School, Warren Twp.; Conferences held with Planning Boards at Somerset County regarding interchanges on Routes 78 and 287; Grade studies made on Route 78 from Pluckemin to Berkeley Heights; Interchange studies being prepared at the junction of Routes 78 and 287; construction plans submitted for processing on Route 287 from Route US-22 to West Viaduct at Raritan River.

Miscellaneous

Route 169, Bayonne. Under secondary road program. Revision of plans, particularly regarding some utilities underway. Plan will be re-completed in two weeks; Route 21 - 1C, 100% complete, to be processed next month; Route 208 Four interchanges under preparation by consultant. Design of bridges 70% completed by State Forces; Route 20 - 1 Broadway, Paterson, revision of Interchange underway by consultant; Route 3, Sec. 2H, Hackensack River resurfacing ready for advertising; Route 82 and Route 28, Lehigh Valley RR crossings. Public Hearing held for Route 28 crossing - road plans 70% complete; Chestnut Street Ramp plan, part of 1958-59 Program, 95% complete; Route 17 Century Road Interchange, part of 1958-59 Program, 90% complete, hearing to be held March 4th; Route 20 Moonachie Road plans completed. Specifications underway. Part of 1958-59 Program; Route 3 Hackensack River Bridge Crossing at Secaucus. Survey and plans are underway - part of 1958-59 Program; Hearing held for improvement of US 30 (White Horse Pike) and Clements Bridge Road; Studies completed at Route U.S. 130 and Haddonfield Road.





## MONTHLY DIVISIONAL REPORT

Month of February 1959

Division: Design &amp; Construction

Bureau: Road Construction

ROUTE (1953)	SECTION (1927)	LOCATION	PERCENTAGE FEB. 1st	COMPLETED MAR. 1st, '59
1 & 9	1	2-C Channelization of Traffic Circle at Route 3	82%	82%
20	3	3C 34F Crooks Ave. to Broadway; Island Closing	16%	16%
	33	3-D Grove St. to Passaic Avenue	68%	71%
	4	4-J Rt. 17 to Grand Ave., Grade Separ. & Spring Valley Rd.	95%	95%
US 46	6	7F 41F Westminster Circle to Burton Avenue	31%	31%
	10	34, 1A, 2A Whippany to Morehousetown; Widening & Turnarounds	99%	99%
	10	4-C Rt. 53 to Salem St., Paving, Widng., Resurf. & Shldr. Recon.	94%	94%
	17	7-C Underpass at Midland Avenue	80%	81%
18	3	Pine Street to 800' E. of Spring Valley Road	11%	17%
18	4	Old Bridge Circle to Pine Street	7%	20%
21 Fwy.	1-A	William Street to Roosevelt Avenue	98%	98%
	21	1-B Roosevelt Avenue to High Field Lane	36%	39%
	23	9-D Station 28+75 to Station 33+90; Vicinity Beaver Lake	100%	100%
	23	15-A Steenkill Lake to Glove Road	3%	3%
US-1	26	3 Alexander Road to State Police Barracks	4%	5%
US-1	25	6-G Construction of Turnarounds, Twps. Woodbridge & Edison	37%	37%
US-1	1	Lake Drive to N.J. Motor Vehicle Inspection Station	0%	0%
US-1	26	2 Alexander Road to Motor Vehicle Station	5%	7%
US-1	26	30 44E State Police Barracks to Stouts Lane	10%	11%
US-1	4	Beven St. to Palisade Ave.; Reconstr. of Balustrade	0%	0%
US-1	26	40 45C Stout's Lane to Cozzens Lane	25%	31%
US-1	26	5-D Cozzens Lane to Penn. Railroad Bridge	32%	32%
US 1 & 9	1	Center Island Closing & Turnarounds	0%	2%
	27	8-A Albemarle Street to Plainfield Avenue	71%	71%
18	8-26	13 42E Old Bridge-New Brunswick Turnpk. to W. Amherst St., Etc.	49%	50%
22	29	4-N Vicinity of Glenside Ave., Scotch Plains Twp. (Drainage)	92%	92%
US-30	1	Taunton Road to Wellington Avenue, Wid. & Repaving	2%	5%
US-30	2	Wellington Avenue to Bell Avenue, Wid. & Repaving	1%	3%
	35	4-B Lewis Street & Broad Street Connection, Eatontown	61%	61%
	37	16 Mathis Bridge to Seaside Heights	98%	98%
3-40	5-D	Hilliard to Ship Bottom; Grading & Paving	29%	29%
73	8-41	1-D Felmyra Bridge Plaza to U.S. Rt. 130; Widng. & Drainage	71%	73%
322	42	6-C Route 50 to McKee City, Dualization	20%	20%
(Fwy)	42 14 42 15B	No.-So. Freeway, Coles Road to Turnerville	98%	98%
"	42-14 42 15C	No.-So. Freeway, Black Horse Pike to Turnerville	78%	78%
	45	30 Red Bank Avenue to Cooper Street, Woodbury	76%	76%
77	46	8-A From Station 22+0 to Route 49, Bridgeton	3%	6%
80	101	2-A Mt. Hope-Rockaway Rd. to Route 46; Grag., Pavg., Brdg.	77%	77%
80	101	2-B Mt. Hope-Rockaway Rd. to Union Turnpk., Grag., Pavg., Brdg.	99%	99%
80	101	2-C Howard Blvd. to Route 15; Grading, Paving, Bridges	57%	59%
	101	2-D B ridge over DL & W.R.R.	39%	47%
78	102	2-B Still Valley to Central R.R. of N. J.	39%	39%
287	104-104 2A	W. & L. Viaduct Crossing of Raritan River	38%	42%
295 (Fwy)	108-108 2D	Big Timber Creek to 1000' W. of Bell Road	98%	98%
295 "	108	2-A Bellmawr, Mt. Ephraim; Grading, Bridges & Drainage	98%	99%
295 "	108	1-B Hollywood Avenue to N. J. Turnpike	28%	29%
295 "	108	2-B Sta. 118+0 to Sta. 220+0; Boros. Haddon Heights		
		Farrington & Lawnside, Camden County	89%	92%
295 "	108	2-C Underpass at Fern-Reading Seashore Lines	88%	94%
202	29	11-B Flemington Circle to So. Branch Raritan River; Dual.	79%	79%
U.S. 202	2	Beechwood Drive to Huyler Road, Dualization	11%	15%





## MONTHLY DIVISIONAL REPORT

Month of February 19 59

Division: Design &amp; Construction

Bureau: Road Construction

ROUTE (1953)	SECTION (1927)	LOCATION	PERCENTAGE FEB. 1st	COMPLETED MAR. 1st. / 59
US-78	2-E	Central R.R. of N. J. to Mulhockaway Creek	1%	3%
78	2-F	*Bridges over Central R.R. of N.J. and L.V.R.R.		
US-202	3	Huyler Road to 700' E. of C.R.R. of N. J.	2%	7%
US-202	4	700' E. of C.R.R. of N. J. to Somerville Traffic Circle	1%	6%
206	31 10-A	Bridge over Beden's Brook	25%	96%
129		*Scudders Falls Bridge over Delaware River (Contract #1)		
208	1	1300' W. of Grandview Ave. to 1000' W. of Helena Ave.	3%	9%
208	2	1000' W. of Helena Avenue to Colonial Road	0%	2%
208	3	Goffle Road to 1300' W. of Grandview Avenue	1%	2%
		N. J. State Teachers College, Montclair, Contract #2	1%	4%

\* See Bridge Division Report

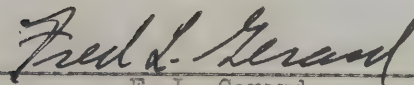
CONTRACTS AWARDED DURING FEBRUARY

Route U.S. 1(1953) Section 1, Widening & Resurfacing from Lake Drive to N. J. Motor Vehicle Inspection Station. Awarded to Brann & Stuart Company on January 30, 1959.

CONTRACTS ACCEPTED DURING FEBRUARY

Route 6 (1927) Route U.S. 46 (1953) Sections 11C & 12B, Island Closing & Turnarounds from Hook Mountain Road to Bloomfield. Accepted February 19, 1959.

Route 21 Freeway, Section 1A, from William Street to Roosevelt Avenue. Accepted February 20, 1959.



F. L. Gerard

Assistant Director, Division of Roads



## MONTHLY DIVISIONAL REPORT

Month of February

1959

Division: Planning, Research, Soils and Tests

Bureau: Engineering Research

PAVEMENTS

Submitted report on experimental sections of pavement on (a) Route 21, Newark, and (b) Route 130, vicinity of Deans, involving a plain concrete base and a surfacing of bituminous material with welded wire fabric. Because the behavior of these sections (which unfortunately are of limited length) indicates that this type of pavement offers considerable promise, made recommendation that we construct at least a one-half-mile section as soon as possible.

Inspected concrete pavement on Route 4, Englewood- because of reported dangerously slippery condition, which was found to be the case. Made recommendation on corrective procedures.

At request of Division of State Aid and Secondary Roads, inspected county road between Vineland and Bridgeton. Made recommendation on appropriate type of rehabilitation.

Submitted recommendation that future specifications permit use of hinged mats of welded wire fabric. Approved.

As continuing study, made gauge-plug and joint-faulting measurements on various routes.

BRIDGES

With L. C. Petersen and A. H. Willmott, inspected bearings on bridges over (a) Beach Thorofare, Route 30, Atlantic City, and (b) Cheesequake Creek, Route 35, Morgan. The bearings on these bridges are of the sliding type, involving bronze plates on steel plates. For reasons which are still obscure, these bearings have apparently developed an extremely high degree of resistance to movement, to the extent that both of these bridges have incurred very serious damage. Installed additional measuring points and took additional measurements.

Took measurements on the following bridges: (a) Mantua Creek, Route 130, (b) Oldmans Creek, Route 130, (c) Passaic River, Route 3, (d) Passaic River, Newark, (e) Cooper River, Camden, (f) Memorial Ave., Camden, (g) Barnegat Bay, Route 37, and (h) Somers Point to Ocean City, Route 52. Also took measurements on six new bridges on Route 42 Freeway, and installed points in bridge over P.R.R. and South River, at Old Bridge.

MISCELLANEOUS

Representative of Bureau attended business meeting of AASHTO Special Technical Panel on Performance Ratings, in Washington, D. C.

Representative of Bureau participated in investigation of future supply of aggregates in New Jersey and nearby vicinity.





## MONTHLY DIVISIONAL REPORT

Month of February 1959

Division: Planning, Research, Soils and Tests  
Bureau: Planning and Traffic

HIGHWAY PLANNING SURVEY SECTION

During this month representatives of the Automotive Safety Foundation requested assistance by this Bureau in preparing data for their studies.

Road Reinventory

The Road Reinventory study has been included as an item in our present work program, we must report no progress due to priorities of other assignments and the lack of available personnel.

"500" Series County Road Numbers

The statewide and county descriptions, together with a state map showing these routes, were forwarded to County Engineer Wagner for review by the County Engineers Committee. This Bureau is waiting for an answer.

Road Life

Posting completed projects for further analysis and mileage statistics.

Preliminary work on the preparation of the 1958 State Mileage Report is underway.

Mapping

Regular assignments of mapping on the General Highway Series maps and the drafting and varityping of special reports and forms were underway.

Local Road and Statistical Studies

Current reports on Statistical Studies were completed and submitted to the Bureau of Public Roads during the month.

National Defense Bridge Study

Data is being compiled to revise the original tabulation of bridges on designated defense routes in New Jersey. The New Jersey Turnpike and the Garden State Parkway bridges are also part of this listing. This Bureau is in contact with the authorities staffs for the information needed on the Turnpike and Parkway bridges to complete this work.

Newark Area Transportation Study

Work on the varityping and reproduction of the report for this study has progressed well during this period.

Penn-Jersey Transportation Study

Mr. Hartmann and Mr. Berberich, of this Bureau, attended the Policy Committee Meeting on February 13, 1959. At this meeting there was a discussion on replies from applicants for the position of Executive Director. The technical subcommittee held a short session and decided to have Aero Service Corporation

1. General Information

2. Objectives of the Study

3. Methodology - This study was conducted as a survey of the current state of affairs in the field of research and development. The study was designed to provide a comprehensive overview of the current state of affairs in the field of research and development. The study was designed to provide a comprehensive overview of the current state of affairs in the field of research and development.

4. Results and Discussion

5. Conclusions - The study has shown that there is a significant need for research and development in the field of research and development. The study has shown that there is a significant need for research and development in the field of research and development. The study has shown that there is a significant need for research and development in the field of research and development.

6. References

7. Appendix

8. Statistical Tables

9. Index

10. Summary

11. Notes

12. Footnotes



## MONTHLY DIVISIONAL REPORT

Month of February 1959

Division: Planning, Research, Soils and Tests  
Bureau: Planning and Traffic

present a preliminary cost estimate for aerial photography covering the survey area at the meeting of the Technical Committee held February 17, 1959. At this meeting, the preliminary cost estimate for aerial photography as submitted by Aero Service Corporation was reviewed and discussed. On February 24, 1959, a meeting of the Executive Committee was held, at which Messrs. Row, Mitchell, Fagin and Brokke were interviewed for the position of Executive Director. No selection was made.

HIGHWAY USE SURVEY SECTIONField

The regular programmed Machine and Manual traffic counts were completed this month.

Office

The normal office functions of processing field traffic counts were completed this month.

TRAFFIC DESIGN AND RESEARCH SECTION

During February the office work time of the Section was about evenly divided between research into various aspects of traffic signal timing; and the review and estimation of traffic volumes for new construction. There was no field work.

HIGHWAY TRAFFIC OPERATIONS SECTION

During this period, the Highway Traffic Operations Section has received, investigated and processed requests for the installation, revamping, retiming and operation of traffic signals, has received and processed miscellaneous traffic investigations and has checked the timing and operation of signalized intersections.

TRAFFIC SAFETY CONTROL AND REGULATIONS SECTION

The assignments under way by this Section consisted of operating radar speed meter for speed zone studies; laying out and processing no passing zone surveys; making traffic investigations and parking studies; preparing regulations and evaluating riparian grant applications.



## MONTHLY DIVISIONAL REPORT

Month of February,

19 59

Division: Planning, Research, Soils and Tests

Bureau: Soils and Subdrainage

SUBSURFACE EXPLORATION

Wash-boring rigs and hand crews continued to work at capacity to supply Consultants and State Field offices with subsurface information necessary for both structure and roadway design on FAI routes as well as on several smaller jobs.

Borings were also made to determine the bearing capacity for the footings of a new National Guard Amory in Woodbridge.

Electrical resistivity method was used to determine the depth to rock in an area of FAI Rt. 80 for Parsons, Brinkerhoff, Hall & Mac Donald. In addition, to our usual method of plotting data, a new method was used which is felt will provide as accurate results as the old method and will also effect a saving in time.

CONSTRUCTION

Sampling and testing on construction jobs picked up slightly throughout the State, but the majority of the work was still, as last month, performed on Route 21, Section 1B.

A change of plan on Rt. 21, Sec. 1B was agreed to by this office after conferences with the Northern District Construction Engineer and George M. Brewster & Son.

Hydraulic placing of embankment will now be allowed in areas in which it was originally prohibited. The change was agreed to by this office primarily because the contractor has demonstrated by placing material hydraulically in stock-pile areas adjacent to existing streets that he is capable of performing the operation without damage to adjacent property and utilities.

The State will benefit by this method in that overload grade will be attained sooner, allowing more complete consolidation of any unstable underlying materials prior to paving.

The rock cut area on FAI Rt. 101, Sec. 2A was inspected by a geologist from this Bureau along with the resident engineer and a representative of the contractor. It was recommended that the rock slopes be cleaned mechanically or by hand as necessary of loose and unstable rock. It is recognized that there is a possibility that this area may in the future require some maintenance in that the rock slope is somewhat less stable than originally anticipated and insufficient right-of-way exists to flatten the slopes.



... a hand crews continued to work at capacity to supply  
... offices with supplies information necessary  
... design on all routes as well as on several

... were also made to determine the bearing capacity for the footings  
... new National Guard Army in Woodbridge.

... resistivity method was used to determine the depth to rock in  
... for persons, unknown, still a few months. In addition  
... method of plotting data, a new method was used which is still  
... as the old method and will also effect a saving

... the majority of the work was still as last month, performed  
... 18.

... Rt. 21, Sec. 18 was agreed to by this office after  
... District Construction Engineer and George M.

... will now be allowed in areas in which  
... was agreed to by this office primarily  
... by placing material approximately in  
... means that he is capable of performing

... benefit by this method in that overhead space will be  
... allowing more complete consolidation of any unstable under-

... Sec. 24 was inspected by a geologist  
... and a representative of  
... that the rock slopes be placed permanently  
... It is recognized that  
... this area may in the future require some maintenance  
... is somewhat less stable than originally anticipated and  
... -y exists to harvest the slopes.

## MONTHLY DIVISIONAL REPORT

Month of February 19 59

Division: Planning, Research, Soils and Tests

Bureau: Testing and Materials

NEW MATERIALS

Four samples of fine aggregates, two samples of washed gravel and one sample of ledge rock were received for quality and classification tests. Six samples of corrugated sheeting (two aluminum, one plastic and three fiber glass) were submitted by the Bridge Division for tests. Water Stop and bridge bearing pads were received for tests from the Bridge Division.

MATERIALS' DEVELOPMENT

Soundness and wear tests are being conducted on washed gravel samples from all our normal sources. Concrete specimens containing Tuckahoe Washed Gravel are beginning to show deterioration after six months exposure. Concrete specimens were made using two samples of raised grain plywood for the Bridge Division. A visit was made to the Johns Manville Research Center to observe development work on cement-asbestos drain pipe.

PERSONNEL

Three Assistant Engineer Trainees completed the usual training period. Two engineering students from Villanova spent a day at the laboratory gathering information for their senior thesis on flexible pavement construction. Mr. W. E. Beckner, Supervisor of Training, presented a two day lecture and conference series on Supervisory Functions. Representatives attended the D.V.U.F. Award Banquet and the Division of Purchase and Property meeting on procurement procedures.

PERFORMANCE TESTING AND INSPECTION

Three projects were inspected prior to the expiration of normal performance bonds. Inspection and investigation was begun on the condition of white concrete curb on Route 38, Section 1-E. The eighth and ninth monthly evaluation inspections were made on the experimental traffic lines at Kresson and Elm respectively. An interim report on the exposure tests of Foliage Green Paint was reported. Further evaluation is continuing with the use of the Weather-Ometer, Laboratory Investigation 1958-2.

SAMPLES RECEIVED

During this month 686 samples were received compared to 671 received in the corresponding month last year.





**MONTHLY DIVISIONAL REPORT**

Month of February

19 59

Division: Roads, Locations and Design

Bureau: Federal Aid Secondary

PLANS

Checking plans for the following projects:

Lacey Road, Ocean County - S239(1)

Hopewell-Woodsville Road, Hunterdon and Mercer Counties - S43(2)

Landis Avenue, Cumberland County - S242(1)

Bridgeton-Deerfield Road Drainage, Cumberland County - S241(1)

PREPARING SPECIFICATIONS

Hopewell-Woodsville Road, Hunterdon & Mercer Counties - S43(2)

CONTRACTS AWARDED

Seeley-Lebanon Road Storm Sewer, Cumberland County - S198(2)

Centerton Road, Storm Sewer, Cumberland County - S231(1)

PROJECTS ACCEPTED AS COMPLETED

Hamilton Street, Somerset County - S232(2)

MISCELLANEOUS

Reviewing plans for proposed construction as requested by the various Counties, checking As Built Plans for Final Payments, preparing agreements between State and County for Federal Aid Secondary Projects and preparing Final Estimates, etc. on completed projects. Also preparing Final Vouchers on completed projects, making final inspections etc.. Received Final Payment from Federal Government on several F.A.S. Projects. Preparing 23rd Supplemental Federal Aid Secondary Program.



MONTHLY DIVISIONAL REPORT

Month of February

19 59

Division: State Aid  
Bureau:

COUNTIES

Counties completing preparation and submission of certificates of expenditure. Presently principally engaged in preparation of Work Program.

Maintenance and repair specifications for 1959 now being submitted for checking and approval.

Items requiring office processing 25 received, 21 processed.

MUNICIPALITIES

With few exceptions, road construction closed down for winter season.

Municipal Aid Certificates of Expenditure and Schedules are being submitted for checking and approval.

Items requiring office processing 506 received, 375 processed.

Still negotiating allocation of construction funds. Eight counties still unresolved.

PERSONNEL

Major portion of field personnel out on vacation or XP leave, remainder assigned throughout department.











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